

FIG. IB
CONVENTIONAL
ART

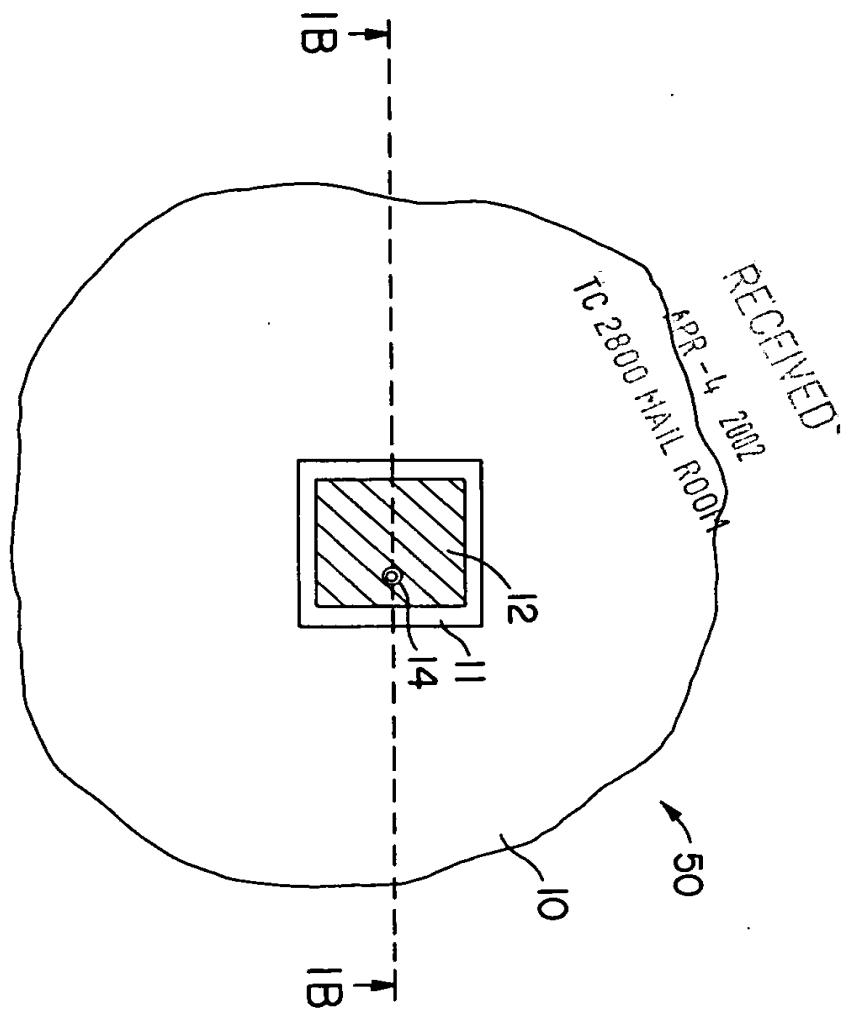


FIG. IA
CONVENTIONAL
ART

FIG. 2A

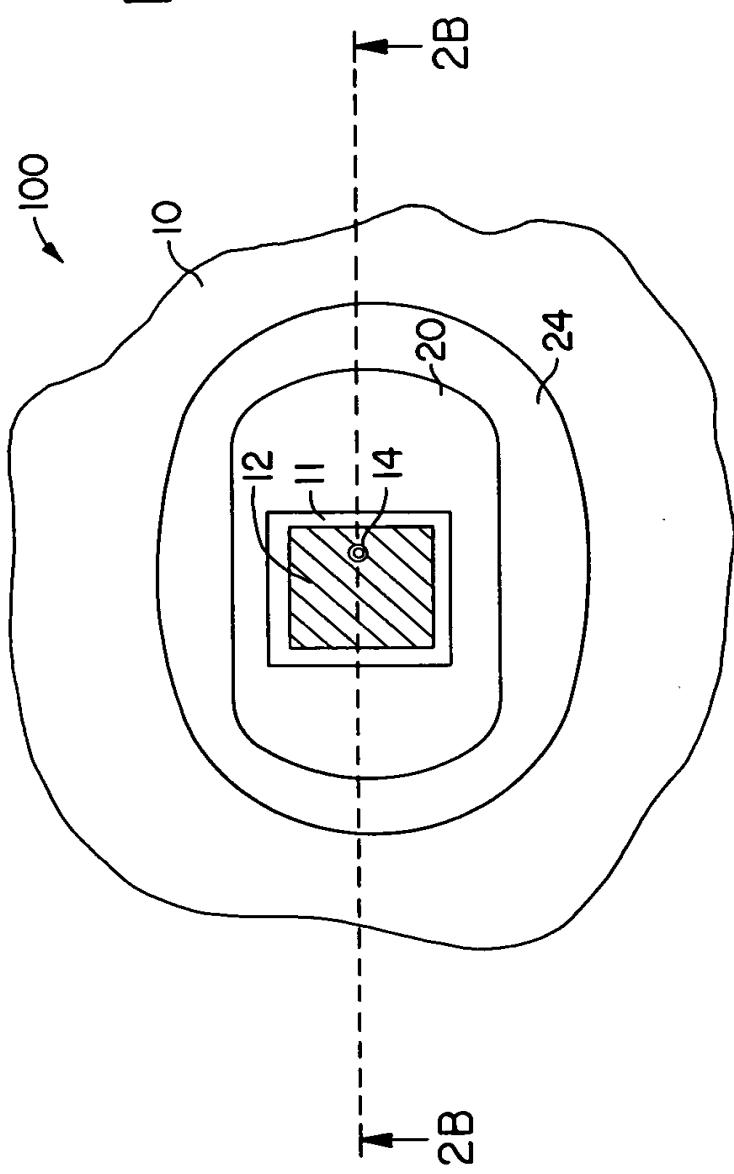
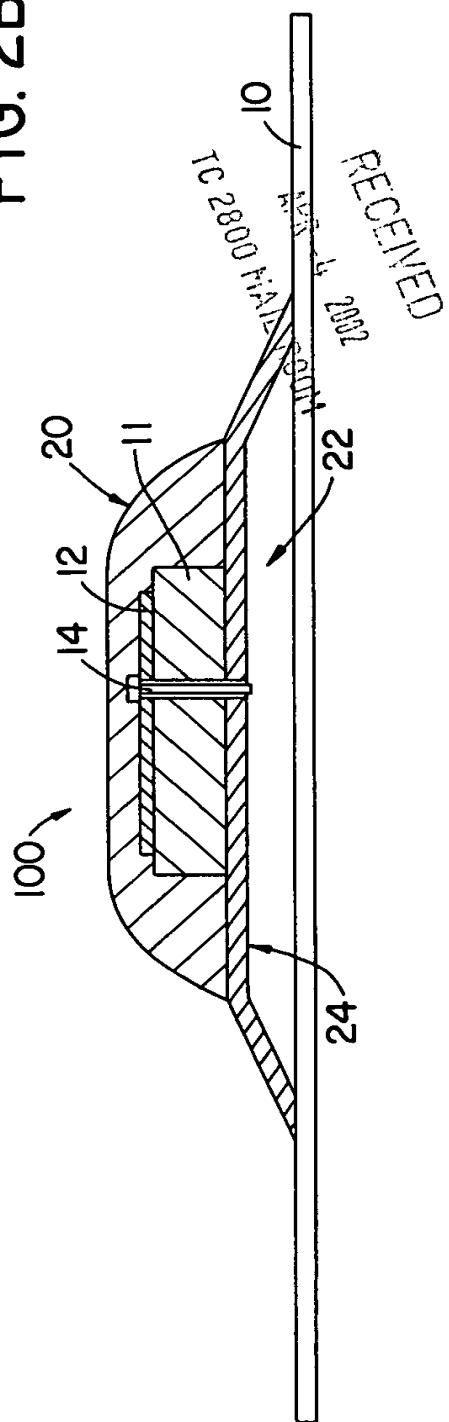
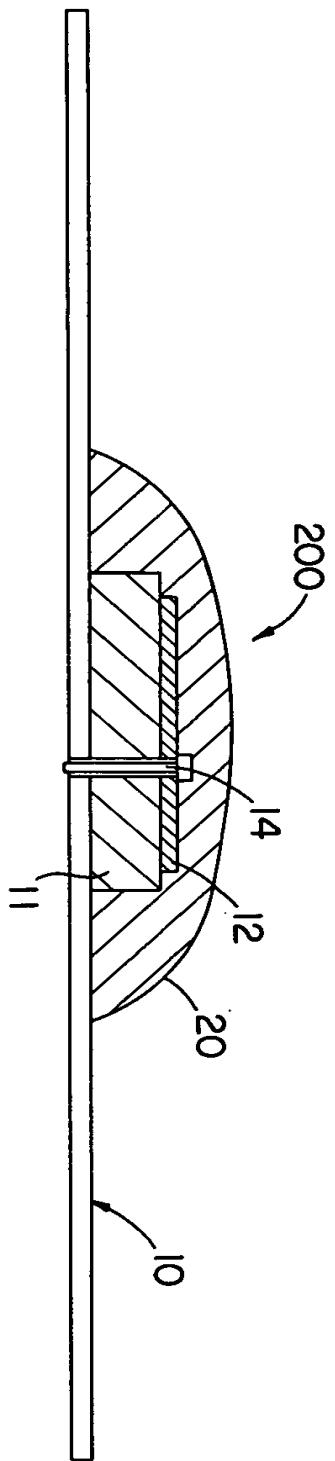


FIG. 2B



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TC 2800 MAIL ROOM

FIG. 3

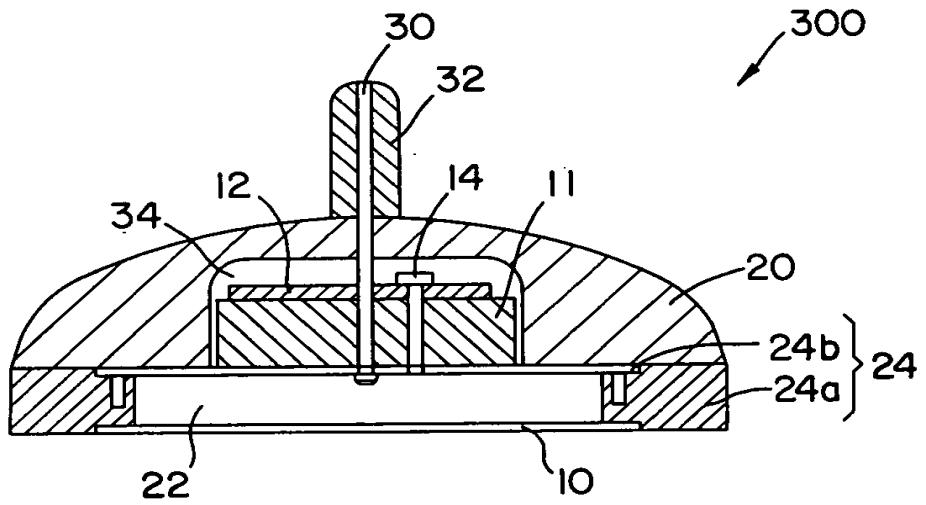


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TC 2800 MAIL ROOM

FIG. 4



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ROOM

TC 280J
CONVENTIONAL
ART

Zenith Gain=3dB

-15
0°
15
30
45
60
75
90
105
120
135
150
165
180°
165
150
135
120
105
90
75
60
45
30
15
0°

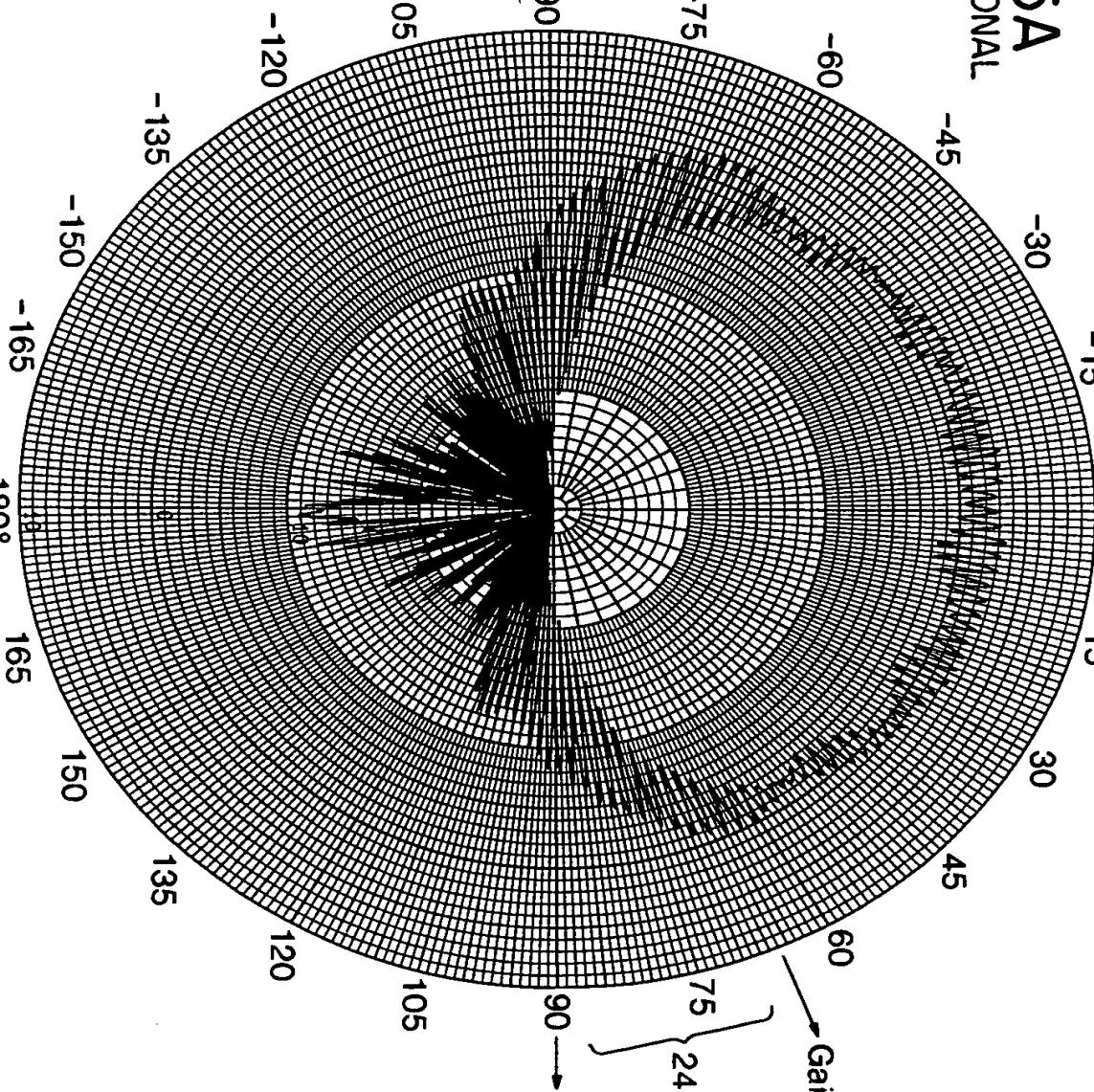
Gain=0dB

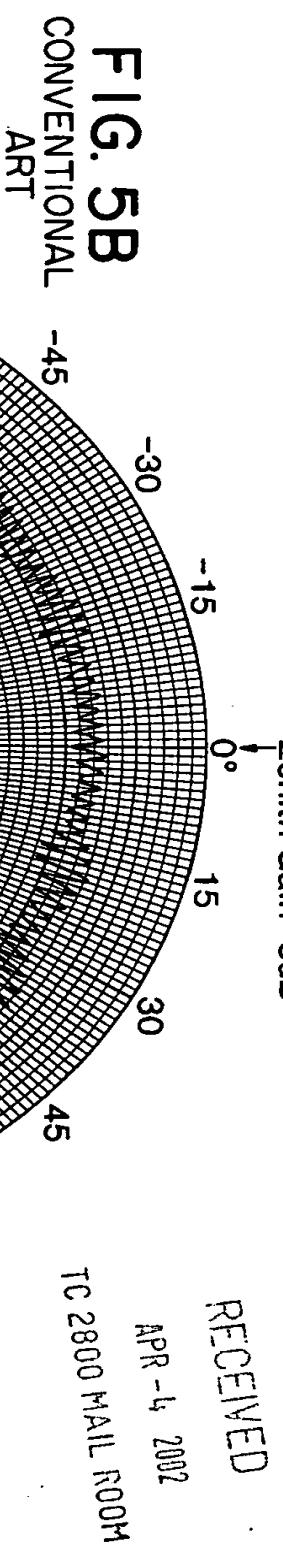
24°

-90
-75
-60
-45
-30
-15

-105
-120
-135
-150
-165
-180°
180°
165
150
135
120
105
90
75
60
45
30
15
0°

Gain Magnitude dBi vs. Azimuth Angle





Gain Magnitude dBi vs. Azimuth Angle

FIG. 6A

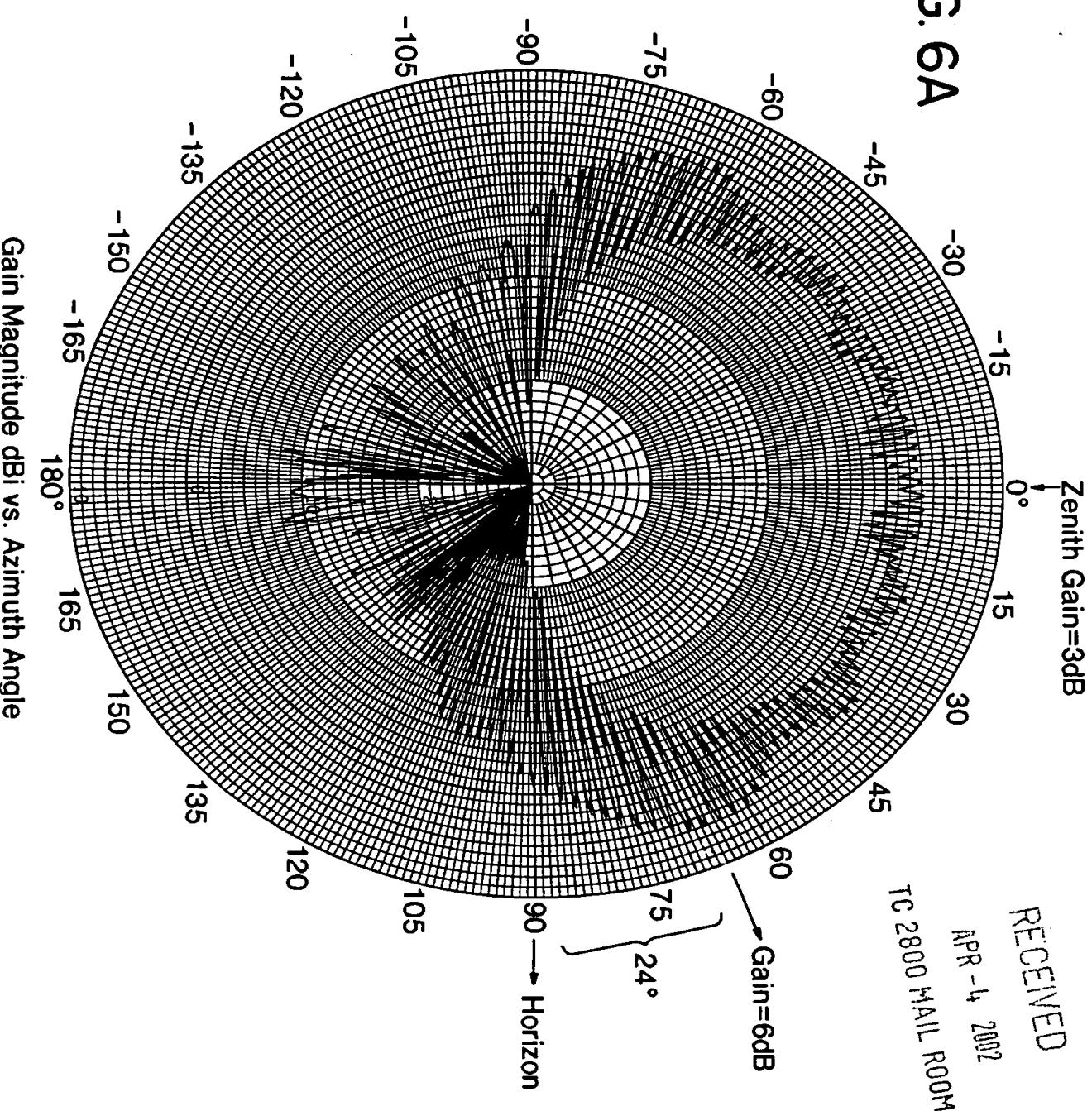
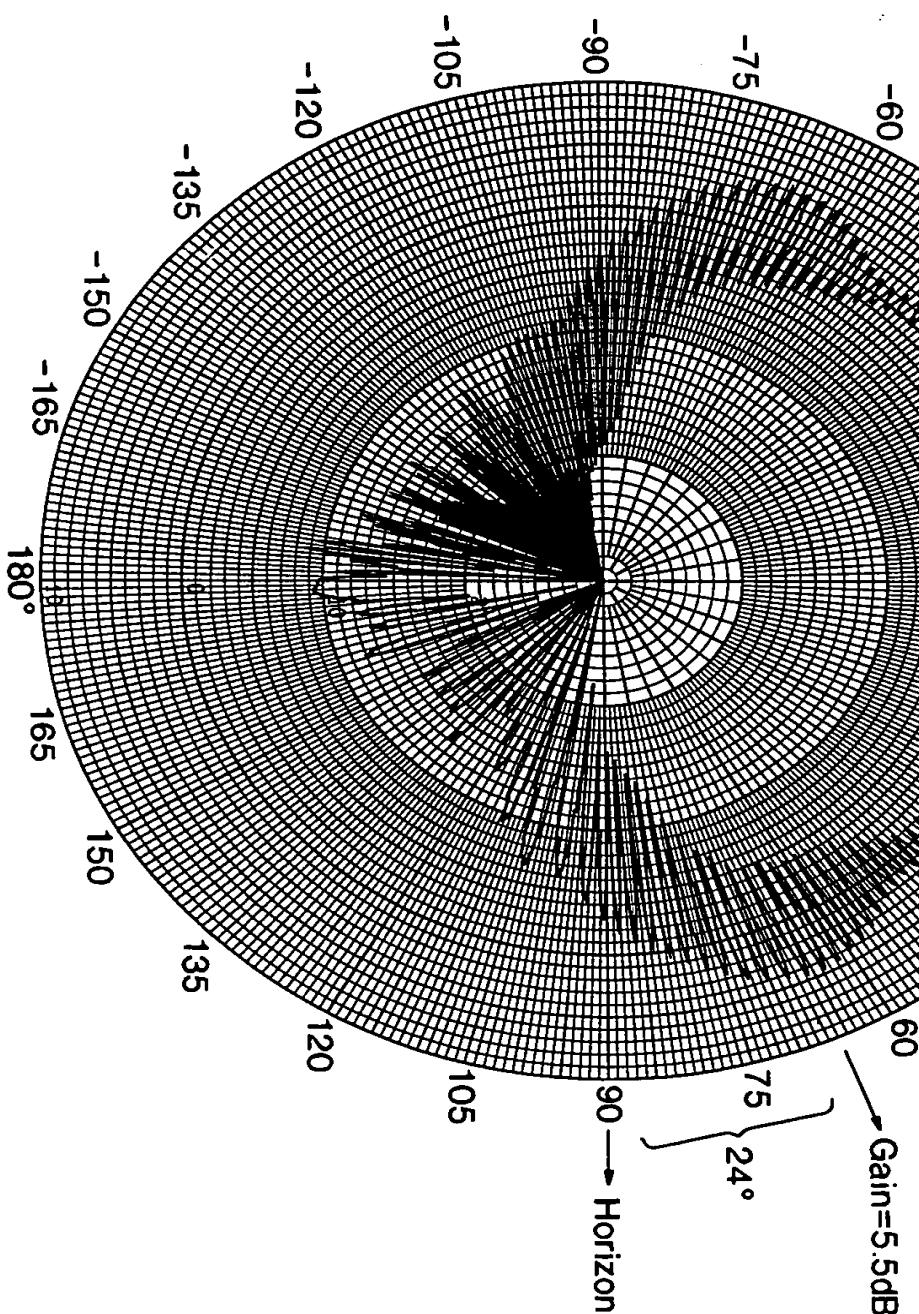


FIG. 6B

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Zenith Gain=3dB
15
30
45
60
75
90 —> Horizon
45C 2800 MAIL ROOM



Gain Magnitude dBi vs. Azimuth Angle